

Lekha Sleno

List of Publications by Year in descending order

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63
papers

1,952
citations

304743

22
h-index

254184

43
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63
all docs

63
docs citations

63
times ranked

3110
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion activation methods for tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004, 39, 1091-1112.	1.6	430
2	The use of mass defect in modern mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2012, 47, 226-236.	1.6	214
3	Proteomic methods for drug target discovery. <i>Current Opinion in Chemical Biology</i> , 2008, 12, 46-54.	6.1	118
4	Assigning product ions from complex MS/MS spectra: The importance of mass uncertainty and resolving power. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 183-198.	2.8	66
5	Biotransformation of polyphenols in a dynamic multistage gastrointestinal model. <i>Food Chemistry</i> , 2016, 204, 453-462.	8.2	64
6	Toxin Screening in Phytoplankton: Detection and Quantitation Using MALDI Triple Quadrupole Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 1509-1517.	6.5	60
7	Inhibitory effects of apple peel polyphenol extract on the formation of heterocyclic amines in pan fried beef patties. <i>Meat Science</i> , 2016, 117, 57-62.	5.5	55
8	Structural study of spirolide marine toxins by mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 969-976.	3.7	54
9	Comparison of MALDI to ESI on a Triple Quadrupole Platform for Pharmacokinetic Analyses. <i>Analytical Chemistry</i> , 2007, 79, 9000-9006.	6.5	50
10	Comparison of peak picking workflows for untargeted liquid chromatography/high resolution mass spectrometry metabolomics data analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 119-127.	1.5	50
11	Improved detection of reactive metabolites with a bromine-containing glutathione analog using mass defect and isotope pattern matching. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1241-1250.	1.5	49
12	Carotenoid production and change of photosynthetic functions in <i>Scenedesmus</i> sp. exposed to nitrogen limitation and acetate treatment. <i>Journal of Applied Phycology</i> , 2012, 24, 117-124.	2.8	43
13	Solid-State NMR Structure Determination of Whole Anchoring Threads from the Blue Mussel <i>Mytilus edulis</i> . <i>Biomacromolecules</i> , 2013, 14, 132-141.	5.4	41
14	Effect of acute inflammatory brain injury on accumulation of morphine and morphine 3- and 6-glucuronide in the human brain*. <i>Critical Care Medicine</i> , 2009, 37, 2767-2774.	0.9	36
15	Effects of Simulated Human Gastrointestinal Digestion of Two Purple-Fleshed Potato Cultivars on Anthocyanin Composition and Cytotoxicity in Colonic Cancer and Non-Tumorigenic Cells. <i>Nutrients</i> , 2017, 9, 953.	4.1	35
16	Absorption and Metabolism of Phenolics from Digests of Polyphenol-Rich Potato Extracts Using the Caco-2/HepG2 Co-Culture System. <i>Foods</i> , 2018, 7, 8.	4.3	33
17	Inter-laboratory evaluation of instrument platforms and experimental workflows for quantitative accuracy and reproducibility assessment. <i>EuPA Open Proteomics</i> , 2015, 8, 6-15.	2.5	32
18	Triple Quadrupole Versus High Resolution Quadrupole-Time-of-Flight Mass Spectrometry for Quantitative LC-MS/MS Analysis of 25-Hydroxyvitamin D in Human Serum. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1404-1410.	2.8	29

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19	Identification of In Vitro Metabolites of Synthetic Phenolic Antioxidants BHT, BHA, and TBHQ by LC-HRMS/MS. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9525.	4.1	29
20	Atrazine Metabolite Screening in Human Microsomes: Detection of Novel Reactive Metabolites and Glutathione Adducts by LC-MS. <i>Chemical Research in Toxicology</i> , 2011, 24, 329-339.	3.3	24
21	An evaluation of oral dabigatran etexilate pharmacokinetics and pharmacodynamics in hemodialysis. <i>Journal of Clinical Pharmacology</i> , 2014, 54, 901-909.	2.0	24
22	Gas-phase dissociation reactions of protonated saxitoxin and neosaxitoxin. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 462-477.	2.8	23
23	Investigating their in vitro metabolism of fipexide: characterization of reactive metabolites using liquid chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 2301-2311.	1.5	23
24	Sensitivity of <i>Scenedesmus obliquus</i> and <i>Microcystis aeruginosa</i> to atrazine: effects of acclimation and mixed cultures, and their removal ability. <i>Ecotoxicology</i> , 2016, 25, 1822-1831.	2.4	23
25	Carotenogenesis Up-regulation in <i>Scenedesmus</i> sp. Using a Targeted Metabolomics Approach by Liquid Chromatography-High-Resolution Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 3004-3013.	5.2	21
26	Determining protein adducts of fipexide: mass spectrometry based assay for confirming the involvement of its reactive metabolite in covalent binding. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 4149-4157.	1.5	20
27	Isotopic Labeling of Metabolites in Drug Discovery Applications. <i>Current Drug Metabolism</i> , 2012, 13, 1213-1225.	1.2	19
28	Absolute Quantitation of NAPQI-Modified Rat Serum Albumin by LC-MS/MS: Monitoring Acetaminophen Covalent Binding <i>in Vivo</i> . <i>Chemical Research in Toxicology</i> , 2014, 27, 1632-1639.	3.3	17
29	Covalent Binding of 4-Hydroxynonenal to Matrix Metalloproteinase 13 Studied by Liquid Chromatography-Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2014, 27, 1556-1565.	3.3	17
30	Identification of Acetaminophen Adducts of Rat Liver Microsomal Proteins using 2D-LC-MS/MS. <i>Chemical Research in Toxicology</i> , 2015, 28, 2142-2150.	3.3	17
31	Optimized proteomic analysis of rat liver microsomes using dual enzyme digestion with 2D-LC-MS/MS. <i>Journal of Proteomics</i> , 2013, 82, 166-178.	2.4	15
32	Multidimensional LC-MS/MS analysis of liver proteins in rat, mouse and human microsomal and S9 fractions. <i>EuPA Open Proteomics</i> , 2015, 6, 16-27.	2.5	14
33	Liquid Chromatography-Tandem Mass Spectrometry Analysis of Acetaminophen Covalent Binding to Glutathione S-Transferases. <i>Frontiers in Chemistry</i> , 2019, 7, 558.	3.6	14
34	A Covalent Cysteine-Targeting Kinase Inhibitor of Ire1 Permits Allosteric Control of Endoribonuclease Activity. <i>ChemBioChem</i> , 2016, 17, 843-851.	2.6	13
35	Comprehensive <i>In Vitro</i> Metabolism Study of Bisphenol A Using Liquid Chromatography-High Resolution Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2020, 33, 1468-1477.	3.3	12
36	Isotope-labeled differential profiling of metabolites using <i>N</i> -benzoyloxysuccinimide derivatization coupled to liquid chromatography/high-resolution tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1632-1640.	1.5	11

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37	Identification of 4-hydroxynonenal protein targets in rat, mouse and human liver microsomes by two-dimensional liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1488-1494.	1.5	11
38	Absolute quantitation of acetaminophen-modified human serum albumin in acute liver failure patients by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1573-1582.	1.5	10
39	Synergistic properties of bioavailable phenolic compounds from olive oil: electron transfer and neuroprotective properties. <i>Nutritional Neuroscience</i> , 2021, 24, 660-673.	3.1	10
40	Targeted Analysis of 46 Bile Acids to Study the Effect of Acetaminophen in Rat by LC-MS/MS. <i>Metabolites</i> , 2020, 10, 26.	2.9	10
41	Assessing covalent binding of reactive drug metabolites by complete protein digestion and LC-MS analysis. <i>Bioanalysis</i> , 2010, 2, 1211-1221.	1.5	9
42	Identification of 4-hydroxynonenal-modified proteins in human osteoarthritic chondrocytes. <i>Journal of Proteomics</i> , 2021, 232, 104024.	2.4	9
43	Isotope Labeling Studies on the Formation of Multiple Addition Products of Alanine in the Pyrolysis Residue of Glucose/Alanine Mixtures by High-Resolution ESI-TOF-MS. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 11629-11634.	5.2	8
44	Determination of isotopic labeling of proteins by precursor ion scanning liquid chromatography/tandem mass spectrometry of derivatized amino acids applied to nuclear magnetic resonance studies. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1165-1174.	1.5	8
45	Effects of oxidative post-translational modifications on structural stability and self-assembly of λ 6 immunoglobulin light chain. <i>Biophysical Chemistry</i> , 2016, 219, 59-68.	2.8	8
46	A validated UPLC-MS/MS method for the determination of aliphatic and aromatic isocyanate exposure in human urine. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 753-762.	3.7	8
47	In vitro metabolism of sunscreen compounds by liquid chromatography/high-resolution tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8679.	1.5	8
48	Long-term stress induced by nitrate deficiency, sodium chloride, and high light on photosystem II activity and carotenogenesis of green alga <i>Scenedesmus</i> sp.. <i>Botany</i> , 2012, 90, 1007-1014.	1.0	6
49	A validated liquid chromatography/tandem mass spectrometry method for 4,4'-methylenedianiline quantitation in human urine as a measure of 4,4'-methylene diphenyl diisocyanate exposure. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 600-606.	1.5	6
50	In vitro metabolism of triclosan studied by liquid chromatography-high-resolution tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 335-342.	3.7	6
51	Investigation of Clozapine and Olanzapine Reactive Metabolite Formation and Protein Binding by Liquid Chromatography-Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2020, 33, 2420-2431.	3.3	6
52	<i>Pseudomonas entomophila</i> 23S Produces a Novel Antagonistic Compound against <i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> , a Pathogen of Tomato Bacterial Canker. <i>Applied Microbiology</i> , 2021, 1, 60-73.	1.6	6
53	Site-Specific Alkylation of the Islet Amyloid Polypeptide Accelerates Self-Assembly and Potentiates Perturbation of Lipid Membranes. <i>Biochemistry</i> , 2021, 60, 2285-2299.	2.5	6
54	Protein Targets of Acetaminophen Covalent Binding in Rat and Mouse Liver Studied by LC-MS/MS. <i>Frontiers in Chemistry</i> , 2021, 9, 736788.	3.6	5

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55	Modern drug discovery and the progression toward a universal mass spectrometer. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 90-92.	3.7	4
56	Investigating Byssogenesis with Proteomic Analysis of Byssus, Foot, and Mantle in <i>Mytilus</i> Mussels by LC-MS/MS. <i>Proteomics</i> , 2021, 21, 2000014.	2.2	4
57	An observational study examining the effects of a surgically induced inflammatory response on the distribution of morphine and its metabolites into cerebrospinal fluid. <i>Canadian Journal of Anaesthesia</i> , 2017, 64, 1009-1022.	1.6	3
58	Dataset from proteomic analysis of rat, mouse, and human liver microsomes and S9 fractions. <i>Data in Brief</i> , 2015, 3, 95-98.	1.0	2
59	Microbial Biotransformation of a Polyphenol-Rich Potato Extract Affects Antioxidant Capacity in a Simulated Gastrointestinal Model. <i>Antioxidants</i> , 2018, 7, 43.	5.1	2
60	In Vitro Metabolism of Five Bisphenol A Analogs Studied by LC-HRMS/MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 847-859.	2.8	2
61	Diagnostic Ions for the Analysis of Phenylalanine Adducts of Acrylamide and Styrene by ESI-QTOF Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 10246-10252.	5.2	0
62	Determining site occupancy of acetaminophen covalent binding to target proteins in vitro. <i>Analytical Science Advances</i> , 2021, 2, 263-271.	2.8	0
63	Surgery-induced inflammation reduces morphine distribution into cerebrospinal fluid. <i>FASEB Journal</i> , 2013, 27, 668.2.	0.5	0